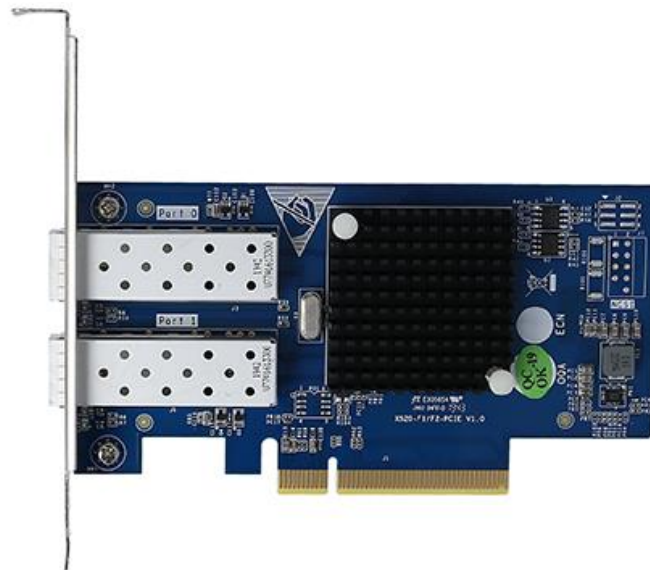


10G 2x SFP+ Converged Network Adapter



Description

The BlueLAN Ethernet Converged Network Adapter (CNA) with Intel chipset for 10 Gigabit Ethernet and Fibre Channel over Ethernet applications has been designed for high-performance data centers and cloud environments and now also represents an extremely flexible and scalable solution for modern office environments.

With the components of the Intel CNA product series built into the BlueLAN Ethernet Converged Network Adapter card, this product meets the constantly growing requirements for bandwidth and fast access time. The BlueLAN Ethernet Converged Network Adapter card offers unique I/O virtualization features, Intel's proven reliable, stable performance and full flexibility for LAN and SAN solutions in your server system.

Two SFP+ ports allow you to connect 10 Gigabit SFP+ transceivers, Direct Attach Cables (DAC) or Active Optical Cables (AOC).

Applications

- ✓ 10G Ethernet
- ✓ iSCSI
- ✓ VLAN

Features

- ✓ 10Gb Data rate
- ✓ 2x SFP+ Port
- ✓ Intel FTX710-BM2 Ethernet controller
- ✓ PCI Express 3.0 X8
- ✓ On-chip QoS and Traffic management
- ✓ Load balancing on multiple CPUs
- ✓ TCP checksum offloading capabilities
- ✓ Virtual Machine Device queue(VMDq)

Warnings

Handling Precautions: This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is highly recommended.

Warranty

Every BlueLAN® Converged Network Adapter comes with a 1 year replacement warranty and lifetime support.

For a warranty inquiry, please contact your CBO sales representative.

This warranty only covers the first user of the equipment.

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by CBO before they become applicable to any particular order or contract. In accordance with the CBO policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of CBO or others.

Further details are available from any CBO sales representative.

Installation

Before installation attach an ESD-preventive wrist to ensure not to damage the Converged Network Adapter or hardware.

BlueLAN® BLCNADAC16 can be installed in any Small Form Factor Pluggable (QSFP28 / SFP28) port. You can install the BLCNADAC16 regardless if the system is powered on or off, because it is hot-swappable.

Install the driver in your OS.

Connect your card with SFP+ device (Transceiver, DAC, AOC).

You can now use your link.

Order Information

Part No.	Desc.
BLCNADAC16	10G 2x SFP+ CNA

Regulatory Compliance

Feature	Standard	Co.
Electrostatic Discharge (ESD)	- IEC/EN 61000-4- 2	✓
Electromagnetic Interference (EMI)	- FCC Part 15 Class B EN 55022 - Class B (CISPR 22A)	✓
Component Recognition	- IEC/EN 60950, UL	✓
RoHS	- 2002/95/EC	✓
EMC	- EN61000-3	✓

1. Specifications

Parameter	Value
Controller	Intel FTX710-BM2 Ethernet controller
Card typ	Bus width PCIe x8
Bus width	PCIe x8
LED	Left-Activity LED: LINK (solid green); ACTIVITY (blinking green) Right-Speed LED: No light=1Gbps; Green=10Gbps
Date rate per port	10/1 Gb/s
I/O Port	2x SFP+
System interface type	PCIe v3.0 8 GT/sec
Connector	PCIe_X8
Voltage	12V, 3V3_AUX, 3V3
Standard	IEEE 802.1p, IEEE 802.1Q, IEEE 802.2, IEEE 802.3ac, IEEE 802.3az, IEEE 802.3x, IEEE 802.3z, IEEE 802.3ad
Wake On Lan	Not supported
Bracket	Full height/ low profile
Firmware version/ PXE Version	FW:V6.01 MAP6.36 PXE: V1.0
Application	PC, Workstation, Server
Intelligent offloads	Yes
Technical parameters	On-chip QoS and Traffic management; Load balancing on multiple CPUs; TCP checksum offloading capabilities; Virtual Machine Device queue(VMDq); PCI-SIG* SR-IOV implementation.
Function	Support iSCSI, PXE, VLAN

2. Revision History

Revision	Initiated	Review	Approved	History	Release Date
V 1.0	Michael	Olaf	Christian	Released	02 / 2017

3. Further Information

For further information, please contact info@cbo-it.de or www.cbo-it.de